

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method of differentiating and proliferating a mesenchymal stem cell into a neural cell, where it comprises two steps of:
 - (1) confluent culturing the mesenchymal stem cell as a pretreatment, and
 - (2) culturing a mesenchymal stem cell in a medium comprising growth factors, wherein the growth factors are consisting of a epithermal growth factor and a hepatocyte growth factor.
2. (original): The method of claim 1, wherein the mesenchymal stem cell is cultured for more than 1 week in a medium comprising about 1 to about 10,000ng/ml by concentration of the epithermal growth factor and about 1 to about 10,000ng/ml by concentration of the hepatocyte growth factor after confluent culturing the mesenchymal stem cell for about 1 to about 50 hours.
3. (original): The method of claim 1, wherein the mesenchymal stem cell is cultured for more than 1 week in a medium comprising about 10ng/ml by concentration of the epithermal growth factor and about 20ng/ml by concentration of the hepatocyte growth factor after confluent culturing the mesenchymal stem cell for about 24 hours.

4. (currently amended): The method of claim 1, wherein the mesenchymal stem cell is cultured for about 2 weeks in the medium comprising growth factors, wherein the growth factors are consisting of the epidermal growth factor and the hepatocyte growth factor, and then the medium comprising the epidermal growth factor and the hepatocyte growth factor is changed with a medium consisting of ~~comprising only~~ the epidermal growth factor.

5. (canceled).

6. (original): The method of claim 4, wherein the mesenchymal stem cell is a mononuclear cell comprising the mesenchymal stem cell obtained from the bone marrow.

7.-8. (canceled).